

Porters Lake (Middle-North)

(Approximate maximum depth: 11.5 m)

PORTERS LAKE, HALIFAX REGIONAL MUNICIPALITY, NOVA SCOTIA

Parameter	Spring 22	Summer 22	Spring 23	Summer 23	Spring 24	Summer 24
Team	Consultant	Consultant	Consultant	Consultant	Consultant	Consultant
Date	May 16	August 23	April 25	August 15	May 9	August 24
Secchi Depth	2.0 m	2.8 m	1.9 m	1.0 m	2.0 m	2.2 m
Surface pH	7.89	7.41	7.26	6.03	6.80	7.28
Surface SpC	3.9526 ms/cm	8.3528 ms/cm	7.8352 ms/cm	0.9113 ms/cm	6.2000 ms/cm	10.9500 ms/cm
Surface Temp	14.0 °C	24.6 °C	10.8 °C	22.9 °C	22.9 °C	22.1 °C
Surface DO	9.64 mg/L	8.15 mg/L	10.83 mg/L	7.85 mg/L	10.21 mg/L	8.27 mg/L
Summer Stratified?		Yes		Yes		Yes
Thermocline Depth (from lake surface)		2 m		3.5 m		4 m
Anoxic Layer Thickness (from lakebed at deepest location)		5 m (43%)		5 m (43%)		n/a
Strength of evidence for Internal Loading		Moderate		None		Moderate
Estimated Trophic Status (based on summer Chl- α)		Oligotrophic		Mesotrophic		Oligotrophic
Deepwater Chloride	11000 mg/L	11000 mg/L	12000 mg/L	12000 mg/L	12000 mg/L	13000 mg/L
E. coli Outlet/Surface (CFU/100ml)	2 / 2	10 / ND	2 / ND	12 / 8	Not Collected	28 / 18

*ND = 'non-detect' for E.coli, indicating less than 2 CFU / 100 ml

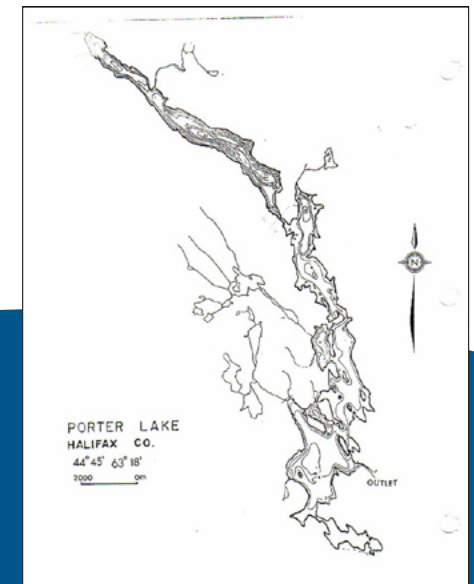
halifax.ca/lakewatchers

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Climate
Together

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Satellite Imagery Map of Porters Lake w/ Sampling Locations



Bathymetry Map of Porters Lake